## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 18 December 2003 (18.12.2003)

**PCT** 

## (10) International Publication Number WO 2003/104847 A3

(51) International Patent Classification7: 37/26, 37/252

H01J 37/00,

(21) International Application Number:

PCT/IL2003/000455

(22) International Filing Date:

1 June 2003 (01.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 150056

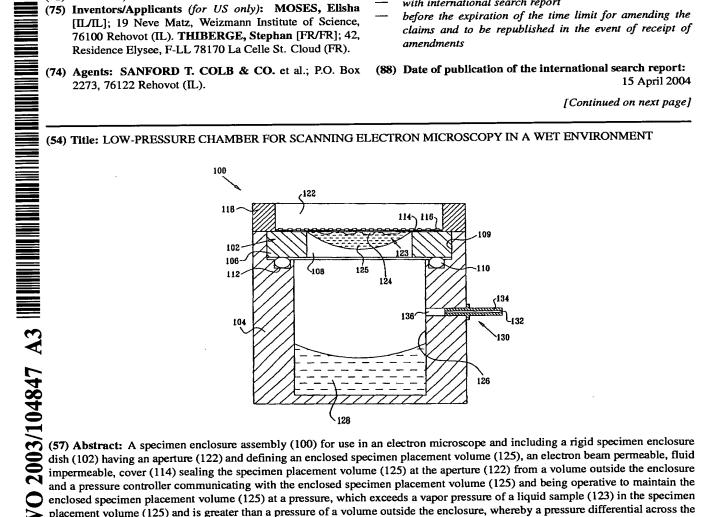
5 June 2002 (05.06.2002)

- (71) Applicant (for all designated States except US): YEDA RESEARCH AND DEVELOPMENT CO. LTD. [IL/IL]; At the Weizmann Institute of Science, P.O. Box 95, 76100 Rehovot (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MOSES, Elisha [IL/IL]; 19 Neve Matz, Weizmann Institute of Science,

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM. HR. HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the



enclosed specimen placement volume (125) at a pressure, which exceeds a vapor pressure of a liquid sample (123) in the specimen placement volume (125) and is greater than a pressure of a volume outside the enclosure, whereby a pressure differential across the cover (114) does not exceed a threshold level at which rupture of the cover (114) would occur.





For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



International application No.

PCT/IL03/00455	

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : H01J 37/00, 37/26, 37/252				
US CL 250/310, 311, 306, 440.11, 441.11				
According to International Patent Classification (IPC) or to both national classification and IPC				
	DS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 250/310, 311, 306, 440.11, 441.11				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
A	US 6,130,434 A (MITCHELL et al) 10 October 2000	(10.10.2000), column 5, lines 13-29;	1-20	
A	claim 1. US 4,705,949 A (GRIMES, II et al) 10 November 19 line 49 - column 4, line 14.	87 (10.11.1987), Abstract; column 3,	1-20	
		,	·	
Further documents are listed in the continuation of Box C.		See patent family annex.		
* Special categories of cited documents:		"T" later document published after the int date and not in conflict with the appli principle or theory underlying the inv	cation but cited to understand the	
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	claimed invention cannot be ered to involve an inventive step	
		considered to involve an inventive sta	relevance; the claimed invention cannot be n inventive step when the document is more other such documents, such combination	
ŀ	nt referring to an oral disclosure, use, exhibition or other means	*&" document member of the same patent		
priority	nt published prior to the international filing date but later than the date claimed			
		Date of mailing of the international sea	04	
21 August 2003 (21.08.2003)  Name and mailing address of the ISA/US  Authorized officer				
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US				
Commissioner for Patents		NIKITA WELLS		
P.O. Box 1450 Alexandria, Virginia 22313-1450  Facsimile No. (703) 305-3230		Telephone No. (703) 308-0956	Lea . Date	

